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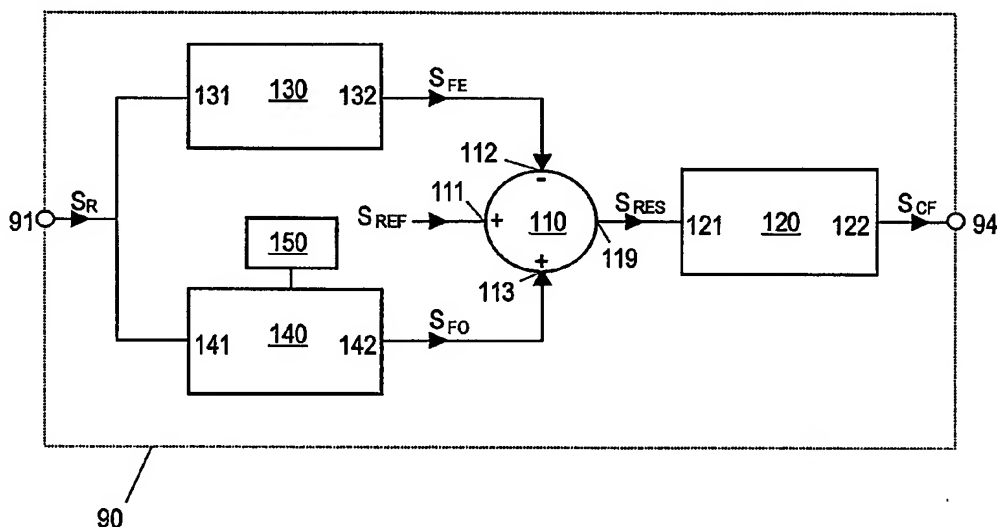
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(54) Title: DISC DRIVE APPARATUS



(57) Abstract: A method for controlling an axial position of an objective lens (34) in an optical system (30) of an optical disc drive apparatus (1), the method comprising the steps of: generating a reference signal ( $S_{REF}$ ) representing a desired amount of focal error; generating a focal error signal ( $S_{FE}$ ) representing the actual focal error; generating a focal offset error signal ( $S_{FO}$ ) representing the actual focal offset error (FOE); adding the focal offset error signal ( $S_{FO}$ ) to said reference signal ( $S_{REF}$ ), and subtracting said focal error signal ( $S_{FE}$ ), to obtain a result signal ( $S_{RES}$ ); generating an focal actuator control signal ( $S_{cF}$ ) on the basis of said result signal ( $S_{RES} = S_{REF} + S_{FO} - S_{FE}$ ). The actual focal offset error (FOE) may be calculated from a lens shift (LS) representing signal on the basis of a predetermined relationship between focal offset error (FOE) and lens shift (LS).

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